

- On page 5, penultimate line, after "40,000" insert --,--
- On page 6, line 18: delete "with" (second occurrence).
- On page 29, line 11: change "different" to --difference--, and
- On page 29, line 7 : change "acidified" to --acidified--.

IN THE CLAIMS:

Kindly cancel claims 1-13 and substitute the following new claims:

14. A composition of matter comprising a population of multiply charged ions derived from a sample substantially comprising a single polyatomic parent molecular species, all molecules of said parent molecular species having substantially the same molecular weight, the number of charges on each ion defining the ion's charge state number, said population of said multiply charged ions consisting of a plurality of sub-populations, one of said sub-populations for each of every possible charge state number whose minimum value is greater than two and a maximum value not less than five.

15. The composition of matter according to Claim 14 generated from a solution comprising said polyatomic parent molecular species as a solute in a volatile solvent, by dispersing said solution as highly charged droplets into a bath gas, allowing said solvent to vaporize from said droplets until at least some of said solute species becomes dispersed in said bath gas as said multiply charged ions .